



Anti-SUCLG1 monoclonal antibody (DCABH-201553)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes the alpha subunit of the heterodimeric enzyme succinate coenzyme A ligase. This enzyme is targeted to the mitochondria and catalyzes the conversion of succinyl CoA and ADP or GDP to succinate and ATP or GTP. Mutations in this gene are the cause of the metabolic disorder fatal infantile lactic acidosis and mitochondrial DNA depletion.
Immunogen	A synthetic peptide of human SUCLG1 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	WB, ELISA
Size	1 mg
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [SUCLG1 succinate-CoA ligase, alpha subunit \[Homo sapiens \(human\) \]](#)

Official Symbol	SUCLG1
Synonyms	SUCLG1; succinate-CoA ligase, alpha subunit; GALPHA; MTDPS9; SUCLA1; succinyl-CoA ligase [ADP/GDP-forming] subunit alpha, mitochondrial; SCS-alpha; succinyl-CoA synthetase subunit alpha; succinyl-CoA ligase [GDP-forming] subunit alpha, mitochondrial;
Entrez Gene ID	8802
Protein Refseq	NP_003840
UniProt ID	P53597
Chromosome Location	2p11.2
Pathway	Carbon metabolism; Citrate cycle (TCA cycle); Citrate cycle (TCA cycle, Krebs cycle); Citrate cycle, second carbon oxidation, 2-oxoglutarate oxaloacetate; Citric acid cycle (TCA cycle); Metabolism; Propanoate metabolism; Pyruvate metabolism and Citric Acid (TCA) cycle; TCA cycle; TCA cycle VIII (metazoan); The citric acid (TCA) cycle and respiratory electron transport.
Function	ATP citrate synthase activity; GDP binding; GTP binding; cofactor binding; poly(A) RNA binding; protein heterodimerization activity; succinate-CoA ligase (ADP-forming) activity; succinate-CoA ligase (GDP-forming) activity;